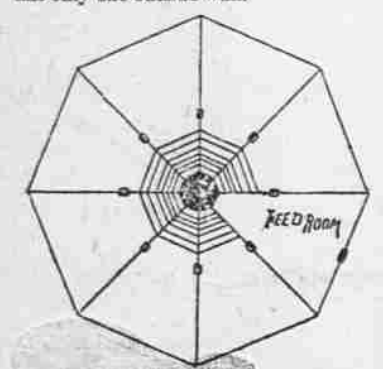


## FARM AND GARDEN.

INFORMATION BASED ON EXPERIENCE AND OBSERVATION.

**A Unique Foultry House for Which Many Merits Are Claimed—A Plan for a Good Barn—Preventives and Cures for Foot Rot in Sheep.**

The advantages claimed for the poultry house represented in the cut are: concentration of all labor connected with it, more square feet of surface for the same outside wall, and each apartment has only one outside wall.



PLAN FOR A POULTRY HOUSE.

The ventilation is in the center, and is indicated in the cut by the dark spot. The rooms are placed close to the ventilation, with a tight floor just below, slanted toward the ventilator, which is large enough at the bottom to hold the droppings. These can then be taken out at the feed room by placing a box of convenient size under the ventilator. They can be removed without handling. Doors are placed just outside the rooms, to permit one to pass around through the different apartments. A building of this size and shape contains about 888 square feet of space, while one built in the ordinary shape, say 20x36, contains 720 feet—a difference of 168 square feet, while the outside walls have the same area. A small window in each pen will be sufficient, by having the partitions made partly of wire netting, according to Ohio Farmer, for which the plan was first drawn and described.

### Tanning Cow Hides.

It often occurs that farmers desire to tan cow hides for ropes, chair bottoms or home made foot wear. For the convenience of these farmers is appended a formula for tanning skins in a small way:

To remove the hair, take one quart of quicklime to every half of water necessary to make clear liquid enough to cover the hide. Soak the skin in it until the hair can be scraped off, and no longer. When the hair has been removed scrape off clean all the flesh from the flesh side of the skin. Then sprinkle the flesh side thoroughly with fine salt and powdered alum, and fold it together, or soak the hide in a solution of salt and alum for twenty-four hours, or until it is sufficiently cured. The salt and alum taws or cures the hide, but does not tan it. Next hang on smooth beam, work, pull and scrape it until dry. The more it is worked, the more pliable it will be. If the hide is a dry one it should be soaked soft before it is put in the lime water. Tanning skins is a trade to be learned, and in it, as in everything else that requires special knowledge and experience, to turn out a neat job, the advice is therefore given, to have the tanning done, when practicable, by those who understand it.

### One Plan of Breaking Bulls.

Mr. Eddy, in New England Homestead, tells of a method of breaking bulls that is both practical and economical. He takes the animal at any age and puts on the same harness that he would use on a horse, turning the collar the opposite side up, and hitches him into a two wheeled cart in some large field where there are no trees. He then gets in for a ride, letting Mr. Bull go where he wants to. When the bull begins to tire he continues to drive him until he is thoroughly conquered. After the first trial he has no difficulty in working him. But he always keeps a rope attached to the ring in the nose so that the animal cannot run away. Mr. Eddy has a 4-year-old Holstein bull that has drawn all the manure on the farm the last year, and now does all the work, such as drawing corn fodder for twenty-one cows every day and earth for the stable. He says that considerable care should be taken not to overload the animal for the first few weeks, for if once balky he will make trouble.

### Horses in Dark Stables.

The pupil of a horse's eye is enlarged by being kept in a dark stable; he has a harness put on him and is suddenly brought out into glaring sunlight, which contracts the pupil so suddenly as to cause extreme pain. By persevering in this very foolish and injudicious, as well as cruel, practice, the nerve of the eye becomes impaired, and if continued long enough loss of sight will ensue. To see how painful it is to face a bright light after having been in the dark, take a walk some dark night for a short time till the eyes become used to the darkness, then drop suddenly into some well lighted room, and you will scarcely be able to see a few moments in the sudden light. You know how painful it is to yourself, then why have your horses repeatedly bear such unnecessary pain? asks Field and Farm.

**Reduced Charges on Nursery Stock.**  
S. M. Emery, chairman of the committee appointed by the American Association of Nurserymen for the purpose of securing lower rates on express lines, reports that a new classification has been agreed upon which amounts to a reduction of 20 to 25 per cent. on all express lines, on all shipments of trees and shrubs, boxed or baled. Such packages are now classed with produce. This is good news to fruit growers, nurserymen and many others. We now have reduced freight, reduced postage, and reduced express charges on nursery stock.

## THE VALUE OF PUMPKINS.

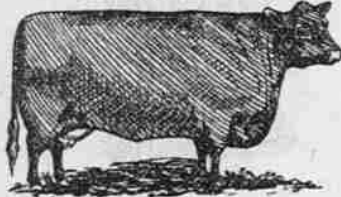
**Their Chemical Composition—How to Feed Them to Cows, Pigs and Sheep.**  
The feeding value of yellow field pumpkins for milk cows, hogs and sheep is based upon the amount of dry matter in 100 pounds, as well as on the chemical composition of that matter. The whole pumpkin has about 89 per cent. water and 11 dry matter; 0.6 of 1 per cent. of this is albuminoids, 9.3 carbohydrates, 0.1 fat and 1 ash. The value of this when figured in the ordinary way is about 10 cents per 100 pounds, but as the pumpkin contains a little pectic acid, which becomes a digester of other food and gives it an additional value, it may be said that good ripe pumpkins are worth 10 to 15 cents per 100 pounds to feed in moderate quantity with other food in the milk ration or for fattening.

A small quantity of pumpkins gives a relish and improves the flavor of the milk. But with reference to the effect of the seeds, care must be taken if the seeds are fed to cows that they are mixed evenly with the rest of the pumpkin. The seeds are given in some cases as a diuretic medicine. Their action is apt to be on the kidneys, and dairymen often say that their cows shrink in their milk when freely fed with pumpkins. And if the seeds get separated so the cows eat more than the natural proportion of seeds, this effect upon the kidneys would naturally affect the secretion of milk.

The Chinese eat pumpkin seeds between the courses of dinner, and these are probably taken as an appetizer and digester. These seeds are rich in nitrogen and oil and very nutritious. Some feeders have been very successful in fattening pigs with a small allowance of pumpkin seeds in connection with other food. These seeds used as a part of the food for poultry would fatten them rapidly. It should not constitute more than one-fifth to one-fourth of the food given to poultry. The dry matter in pumpkin seeds and the stringy parts amount to about 25 per cent., or more than double that of the whole pumpkin. The nutritive value of the seeds, per weight, is four times as much as that of the body of the pumpkin without the seeds. In connection with the foregoing, Country Gentleman says: If pumpkins were sliced up or pulped, so that the seeds would be all mixed in evenly, there would be no danger in feeding them to cows, other cattle or hogs, and it would be a very desirable addition when combined with other foods.

### Red Polled Cattle.

Although it may be said with some degree of truth that the red polled breed of today is the result of a selection, and may thus be declared to be a comparatively modern breed, there can be no doubt that the red polled is traceable back at least 150 years.



RED POLLED COW DOLLY.

In earlier times this breed was known as the Suffolk polled, and they were then small. Their characteristic was, however, that which distinguishes the best red polls of today; for they were milkers of great staying power, giving milk rich in butter fats, with a goodly proportion of casein, rather than cattle which produced a heavy flow of milk of medium quality and then dried quickly. The efforts of the earliest breeders were directed to the improvement of the fattening quality of the Suffolk, with the retention of the breed's valuable milk and butter producing characteristics. To the Royal Agricultural Society of England belongs the credit of determining what should henceforth be deemed the true representation of the East Anglian polled cattle. It was not until 1863 that any very definite regulations regarding color, as one of the qualifications of this breed, were laid down. Since about 1840 the red polled have been developed into much heavier stock without any addition to the useless lumber of the carcass. The fifty stone of old days have been increased to eighty and even ninety stone for steers. The live weight of bulls has occasionally considerably exceeded a ton. In the cut is shown a cow that had, in England, an almost unbeaten record.

### What Others Say.

American Agriculturist says: Except the lightest sandy soils, all level land will be benefited by fall plowing. When well plowed, and to a proper depth, the plowed ground will not wash even by the heavy southern winter rains.

A Rural New Yorker correspondent writes: As the time for husking corn has arrived, I send my method of saving corn husks for bed mattresses and ticks. Do not loosen the husks from the ear, but press it close to the base and break it off. The rough, coarse husks will be left on the stalk and all the finer sort on the ear. Throw the ears in a pile, and when enough are broken off husk them, sort out the "silks" and you will have a very superior article.

Southern Live Stock Journal is authority for the statement that pea vines are the very best crop for ensilage.

Frank Willard, of Colorado, thus expresses himself: Talk about mutton breeds, I have found to my satisfaction that a wool breed of sheep is the breed for profit. Give me a flock of ewes that will clip sixteen pounds of combing wool and I will put them for profit against any breed in the world. Wool is the chief end of sheep.

According to a Massachusetts exchange the town of Plymouth boasts of the tallest windmill in the world. This windmill stands 119 feet above the ground and has a wheel eighteen feet in diameter.

No person should ever drive a horse who does not know how to harness or unharness. The women folks are included in this.



The importance of purifying the blood cannot be overestimated, for without pure blood you cannot enjoy good health. At this season nearly every one needs a good medicine to purify, vitalize, and enrich the blood, and we ask you to try Hood's Sarsaparilla. It strengthens and builds up the system, creates an appetite, and tones the digestion, while it eradicates disease. The peculiar combination, proportion, and preparation of the vegetable remedies used give to Hood's Sarsaparilla peculiar curative powers. No other medicine has such a record of wonderful cures. If you have made up your mind to try Hood's Sarsaparilla do not be induced to take any other instead. It is a Peculiar Medicine, and is worthy your confidence. It is sold by all druggists. Dose One Dollar.

**HINDERCOINS.**  
The only cure for Croup, Whooping Cough, and all other respiratory diseases. It is a powerful expectorant and bronchial agent. It is sold by all druggists. Dose One Dollar.

**DEAFNESS AND HEAD RINGS CURED BY PARKER'S HAIR BALM.**  
Parker's Hair Balm is a powerful hair restorer and scalp conditioner. It is sold by all druggists. Dose One Dollar.

**AGENTS WANTED.**  
Agents wanted for the sale of Parker's Hair Balm in all parts of the country. Write for terms and conditions.

**PARKER'S HAIR BALM.**  
Parker's Hair Balm is a powerful hair restorer and scalp conditioner. It is sold by all druggists. Dose One Dollar.

**CHICHESTER'S ENGLISH PENNYROYAL PILLS.**  
Chichester's English Pennyroyal Pills are a powerful laxative and purgative. They are sold by all druggists. Dose One Dollar.

**MADE WITH BOILING WATER.**  
EPPS'S GRAPEFUL-COMFORTING COCOA. Made with boiling water. Sold by all grocers.

**THE GLORY OF MAN STRENGTH VITALITY.**  
How Lost! How Regained. The Science of Life. Know Thyself. Exhausted Vitality Untold Miseries.

**THE SCIENCE OF LIFE.**  
A Scientific and Standard Popular Medical Treatise on the Errors of Youth, Premature Decline, Nervous and Physical Debility, Impurities of the Blood. Exhausted Vitality Untold Miseries.

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## Special.

It is with pleasure that we announce to our many patrons that we have made arrangements with that wide-awake, illustrated farm magazine, the AMERICAN FARMER, published at Fort Wayne, Ind., and read by nearly 200,000 farmers, by which that great publication will be mailed direct, FREE, to the address of any of our subscribers who will come in and pay up all arrears on subscription and one year in advance from date, and to any new subscriber who will pay one year in advance. This is a grand opportunity to obtain a first-class farm journal free. The AMERICAN FARMER is a large 16-page journal, of national circulation which ranks among the leading agricultural papers. It treats the question of economy in agriculture and the rights and privileges of that vast body of citizens—American Farmers—whose industry is the basis of all material and national prosperity. Its highest purpose is the elevation and ennobling of Agriculture through the higher and broader education of men and women engaged in its pursuits. The regular subscription price of the AMERICAN FARMER is \$1.00 per year. IT COSTS YOU NOTHING. From any one number ideas can be obtained that will be worth three times the subscription price to you or members of your household, YET YOU GET IT FREE. Call and see sample copy.

## IS THIS FAIR?

After your child has been given up to die from terrible erasipelas, inflammation, meningitis, burns, pneumonia, flux, diphtheria, croup, &c., go to R. E. Luhn's and get a large can of the Life Saving

### "JO-HE"

and use as directed; if it fails to cure Mr. Luhn is instructed to refund your money. It is saving thousands of such cases, but one small can used O K at the start would save the necessity of using the large one and save much suffering, but people always put the best last.

"Truth is a stubborn thing to conquer."

H. B. Jones,

P. O. Box 222

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## OCULIST.

The celebrated trotting stallion Oculist will make the season of 1890 at Chappell Hill, Navasota and my farm; alternating between the three places every ninth day. Will be at Chappell Hill on Tuesday and Wednesday, March 4th and 5th, returning 9th day.

Oculist is a bay stallion 15 hands and 3 inches high, sired by Hardwood, he by Blackwood, Jr., he by Old Blackwood, 1st Dam Allie by Widgus, old Almon, his Dam by Edwin Forest; Hardwood dam by Columbus. Blackwood Jr. dam was Belle Sheridan.

The finest trotting strain of blood courses his veins, and anyone acquainted with the turf register of the performances of the celebrated trotters of the country will not deny the fact that more purses have been won and horses sold for higher prices of this strain of blood than any other. TERMS—By insurance.....\$20 00 TERMS—By season.....15 50 I am prepared to take care of mares from a distance at my farm at \$1.50 per month. DAVID WHITE, White Hall, Grimes County, Texas.

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